\*115\* QC

Quality Control

Memo

Work Orde		1611	·	*111	611*		y				Page 1
Item ID: Revision ID: Item Name:	D3439-101 8" Mirror Assy	y	A	Accept	*N900	040°	1	k s	etup Sta		S1* S2*
Start Date: Required Date: Reference:	2/21/14 : 2/21/14	Start Qty: 12.00 Req'd Qty: 12.00	*12* *12*	e <sup>36</sup> 1	Cust Item I Customer:	D:					,
Approvals:	Process Pla	in: MLJ	Date: 1401-17	Tooling: _ SPC (Y/N):		ate:		R	dun Sta Sto	/I/1	R1* R2*
Sequence ID/ Work Center I	D	Operation Description		Set Up/ Run Hours	Tool ID			Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Rev	ision Nbr									
D3439	Rev	В								,	
*100 *100* Purchasing Purchasing		Possible Sup	irror P/N: 12183 plier: UAP/NAPA ase note is required	0.00			_	CX	1 _ 14.	<u>lo1/21</u>	<u> (2)</u>
110		Receive & Inspect for Da	mage & Mat'l Certs	0.00					/	/ /	
*110* Packaging Packaging		<b>Memo</b> Ensure Mate	rial Release Note is attached	0.00			. 7	/En	1/4/2	2 (1	
115		QC6- Inspect dimensions	to drawing	0.00 51	W)						

DQA:			Date:										
OA Glave I			Data			WORK ORDER NON-	-CC	ONFO	RMANCE / UF			.d.a	AEROSPACE
QA Closed:			Date:				-			VV	ork Order up	date only	
Work Orde	r:					DISPOSITION				AGAINST DE	PARTMENT	PROCESS	
	-					Rework	1		Skid-tube	Crosstube		Water Jet	Engineering
Part N	lo.					Scrap			Machining	Small Fab	Pro	d. Eng. Coor.	Quality
	-					Use-as-is		Thern	noforming	Finishing	Rec/Stor	e/Packaging	Other
NCR N	lo.					Suspected Unapproved	1		Large Fab	Composite		Supplier	
							•						
Root					Desc	ription of work order update	1	nitial	Acti	ion	Sign &		
Cause		Date	Step	Qty		or non-conformance	Ch	ief Eng	Descri	iption	Date	Verification	QC Inspector
Design	_												
Doc/Data	_											•	
Equip/Tooling													
Handling/Pre	_						ļ						
Material									•				
Operator													
Offset/Setup													
Process													
Supplier													
Training							ļ						
Transport				ļ									
Unapproved													
							FA	ULT CA	TEGORY				
Landir	ng G	ìear				General		_			<b>-</b>	_	=
		Bending				Bend		Folio/f	Program	L	Outside Dim	ensions	Pressure/Forced
		Centre N	ot Concer	ntric		BOM/Route		Grain			Over/Under	tolerance	Set-up
		Cracks				Broken/Damage/Defect		Hardwa	are		Part Incorre	ાં	Temperature/Cure
		Crimp/Ki	nk/Ripple	/Wave		Burrs	L	Inspect	ion Incomplete/Un	qualified	Part Lost/Mi	ssing	Weld
[		Cuffs				Contamination		Instruc	tions Incomplete/U	Inclear	Part Moved		Wrong Stock Pulled
<b> </b>		Crushing				Countersink		Misali	gned/off center		Positioned V	Vrong	<u>_</u>
		Heat Trea	at			Cut Too Short		Mislabe	eled		Power Loss/	Surge	Other
		Inspectio	n Strip in	Tube		Drawing		Misrea	d				
] [		Marks/Cl	natter			Drill Holes		Off-set					
		Turning S	equence			Finish		Out of	Calibration				
		Wave/Tw	ist in Tub	oe .		Fit/Function	Γ	Out of	Sequence				

Work Order ID 11	11	611	
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January-15-14		1611		*111	1611*							Page 1	2
Revision ID:	D3439-101			Accept	*N900	<b>040</b>	100	ገ*	Setup	Start Stop	*N	S1*	
Item Name:	8" Mirror Assy	7								Stop	*//	S2*	
Start Date:	2/21/14	<b>Start Qty:</b> 12.00	*12*		Cust Item I	D:							
<b>Required Date:</b>	2/21/14	<b>Req'd Qty:</b> 12.00	*12*		<b>Customer:</b>								
Reference:													
Approvals:	Process Pla	n:	Date:	Tooling:	Da	ate:			Run	Start	*N	R1*	
	QC:		Date:	_ SPC (Y/N):	Da	ate:				Stop	*N	R2*	
Sequence ID/ Work Center II	)	Operation Description		Set Up/ Run Hours	Tool ID	Tool#	Plan Code	Accept Qty	Rej Qty		Reject Number	Insp. Stamp	
120		Small Fab		0.00				12				1.1	Lin
*120* Small Fab		Memo		0.00				12x				17/02/	H
Small Fab		3- Plug drain Ensure that n Pick: Qty Part Nu A/RN/A	ardware.  Fap mirror as per Dwg usi holes with Sikaflex. nirror adheres to housing.  Imber Description Sikaflex-241/-291		stud as per dwg.							/ /	
130		QC5- Inspect part comple	eteness to step on W/O	0.00	0AS  27			12					
*1.30* QC Quality Control		Мето		0.00 191	<b>77</b> 4							-	

Das 36 9<sub>89</sub>

DQA:			Date:										
						WORK ORDER NON-	-CC	ONFO	RMANCE / UF	PDATE			AEROSPACE
QA Closed:			Date:								ork Order up	date only	
Work Orde	er:					DISPOSITION				AGAINST D	EPARTMENT	PROCESS	
Work Orac	•	· · · · · · · · · · · · · · · · · · ·			-	Rework	ıl		Skid-tube	Crosstube	7	Water Jet	Engineering
Part N	10.					Scrap			Machining	Small Fab	Pro	d. Eng. Coor.	Quality
	•					Use-as-is		Therr	noforming	Finishing	Rec/Stor	e/Packaging	Other
NCR N	ю.					Suspected Unapproved			Large Fab	Composite		Supplier	
Root					Desci	ription of work order update	ı	nitial	Acti	ion	Sign &		
Cause		Date	Step	Qty		or non-conformance	Ch	ief Eng	Descr	iption	Date	Verification	QC Inspector
Design													
Doc/Data						!							
Equip/Tooling													
Handling/Pre	$\dashv$												
Material	-								•				
Operator	-												
Offset/Setup	_												
Process Supplier	-						ı						
Training													
Transport													
Unapproved													
				<b>L</b>	L		FAI	ULT CA	TEGORY		<b>.</b>		
Landi	ng G	Gear				General							
		Bending				Bend		Folio/I	Program		Outside Dim	ensions	Pressure/Forced
		Centre No	ot Concer	ntric		BOM/Route		Grain			Over/Under	tolerance	Set-up
		Cracks				Broken/Damage/Defect		Hardwa	are		Part Incorred	i 🗌	Temperature/Cure
		Crimp/Kir	nk/Ripple	/Wave		Burrs		Inspect	tion Incomplete/Un	nqualified	Part Lost/Mi	ssing	Weld
		Cuffs				Contamination		Instruc	tions Incomplete/U	Jnclear	Part Moved		Wrong Stock Pulled
		Crushing				Countersink		Misali	gned/off center		Positioned V	Vrong	_
		Heat Trea	it			Cut Too Short		Mislab	eled		Power Loss/	Surge	Other
		Inspection	n Strip in	Tube		Drawing		Misrea	d				
		Marks/Ch	natter			Drill Holes		Off-set					
		Turning S	equence			Finish		4	Calibration				
		Wave/Tw	ist in Tub	oe .		Fit/Function		Out of	Sequence				

<b>,</b> 4	

	der ID 11: 4 1:19:36 PM	1611		*11	1611*							Page 3	1
Item ID: Revision ID: Item Name:	D3439-101 8" Mirror Assy	,		Accept	*N900	<b>04</b> 0	100	)*	Setup	Start Stop	*N!	31* 20*	
Start Date: Required Dat Reference:	2/21/14	Start Qty: 12.00 Req'd Qty: 12.00	*1 <i>9</i> * *1 <i>9</i> *	·	Cust Item I Customer:	D:					IVA		
Approvals:	Process Pla	n:	Date:	Tooling: SPC (Y/N):		ate:		]	Run	Start Stop	*NF	₹1* ₹2*	
Sequence ID/ Work Center 140 *140* Packaging Packaging		Operation Description Identify as per dwg & Sto	ock Locations TTLST	Set Up/ Run Hours 0.00	Tool ID	Tool#	Plan Code	Accept Qty	Rej Qty		Reject	Insp. Stamp D/	
150 *150* QC Quality Control		QC21- Final Inspection -	Work Order Release	0.00				hr:	₹	<u> </u>	'01-e	<u>م</u> كر	

(H) 14-02-05

DQA:			Date:										
						<b>WORK ORDER NON-</b>	-CC	ONFO	RMANCE / UP	DATE			AEROSPACE
QA Closed:			Date:							V	Vork Order up	odate only	
Work Orde	or.					DISPOSITION				AGAINST D	EPARTMENT,	/PROCESS	
WOIK OIGE	٠				_	Rework	ı		Skid-tube	Crosstube	٦	Water Jet	Engineering
Part N	lo.					Scrap			Machining	Small Fab	Pro	d. Eng. Coor.	Quality
	•				_	Use-as-is			moforming	Finishing	=	re/Packaging	Other
NCR N	10.					Suspected Unapproved			Large Fab	Composite		Supplier	]
Root				_	Desci	ription of work order update		nitial	Actio		Sign &		
Cause	-	Date	Step	Qty		or non-conformance	Ch	ief Eng	Descrip	otion	Date	Verification	QC Inspector
Design	_						ĺ						
Doc/Data													
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Unapproved									<u> </u>				
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Landi	ng (	Gear				General		_			·····		_
		Bending				Bend		Folio/I	Program	_	Outside Dim	ensions	Pressure/Forced
		Centre No	ot Concer	ntric		BOM/Route		Grain		L	Over/Under	tolerance	Set-up
		Cracks			L	Broken/Damage/Defect	L	Hardwa	are	L	Part Incorre	<b> </b>	Temperature/Cure
		Crimp/Kir	nk/Ripple	/Wave	_	Burrs	┕	1	tion Incomplete/Unq	·  -	Part Lost/Mi	_	Weld
1	<u> </u>	Cuffs				Contamination	_	4	tions Incomplete/Un	nclear	Part Moved		Wrong Stock Pulled
	<u> </u>	Crushing				Countersink	_	1	gned/off center		Positioned V	<del>-</del>	<b>-</b>
	ldash	Heat Trea			$\perp$	Cut Too Short	<u> </u>	Mislab			Power Loss/	Surge	Other
	<u> </u>	Inspection	•	Tube	<u> </u>	Drawing	$\vdash$	Misrea					
	<u> </u>	Marks/Ch				Drill Holes		Off-set			<del></del>		
		Turning S			<u> </u>	Finish	$\vdash$	4	Calibration				
1	1	Wave/Tw	ist in Tub	oe -		Fit/Function	<u>L</u>	Out of	Sequence				

Page 1

## **Picklist Print**

January-15-14 1:19:35 PM

Work Order ID:

111611

Parent Item:

D3439-101

Parent Item Name:

8" Mirror Assy

**Start Date: 2/21/14** 

Required Date: 2/21/14

**Start Qty: 12.00** 

Required Qty: 12.00

Comments:

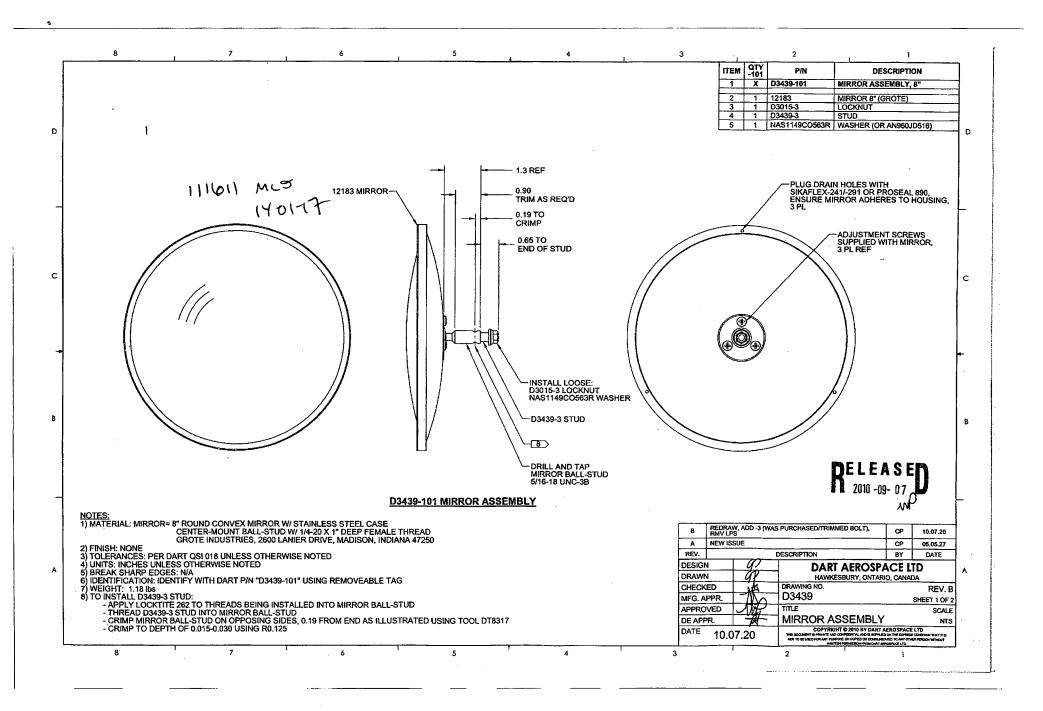
IPP A05.07.20New issueKJ/JLM

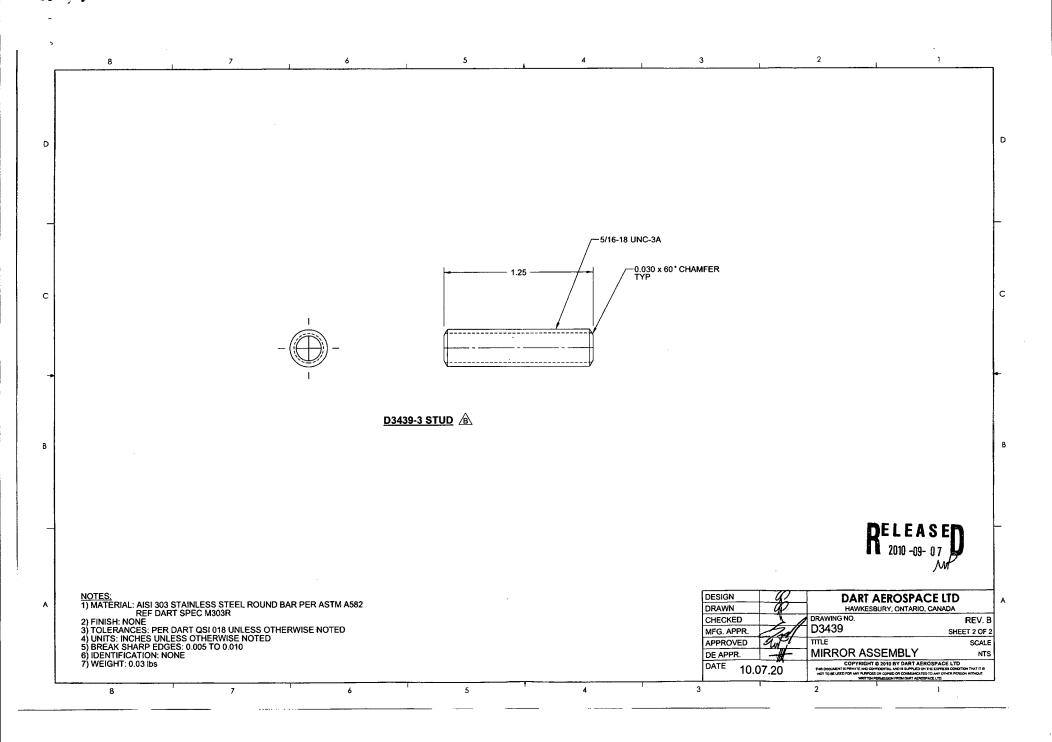
verf:ec

IPP Rev:B 10.09.08 per dwg RevB DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status	
12183 Grote Mirror		Purchased	No	<del></del> -		120	Each	0.0000	1	12	11611	Poli	doch	
D3015-3 Locknut		Manufactured	No			120	Each	18.0000	1	12		1/05	2/04	DAS 36 9-89
				<u>Location</u> FG		<u>Loc Oty</u> 18	<u>La</u>	oc Code			\$ 110	118	(12x)	)
					758 5151	8 10						ſ	<u>.</u> I	DAS 36 9-89
<b>D3439-3</b> Stud		Manufactured	No			120	Each	75.0000	1	12	14/	02/	23_	9-89
				Location		Loc Oty	L	oc Code			/	1		
				10	13874 14850 19099	75 1 34 40				2			/	_
NAS1149C0563R Washer		Purchased	No			120	Each	224.0000	1	12	14/	0 60	DA 36 9-8:	<b>;</b>
	•			<b>Location</b>		Loc Oty	<u>L</u>	oc Code			/	/		
				ST292 m	125928	224 224			_/a	2				

DQA:			Date:						DD 4 4 4 4 6 5 1 4 4 5						`DART
QA Closed:			Date:			WORK ORDER NON-	-CC	ONFO	RMANCE / UF		Wo	ork Order up	date only	٦	AEROSPACE
						DISPOSITION						PARTMENT			
Work Orde	er:		·				. 1			Г	_			_	- · · □
Part N	۱o. ِ		·			Rework Scrap		i	Skid-tube Machining	Crosstube Small Fab			Water Jet d. Eng. Coor.		Engineering Quality Quality
NCR I	Ю.	·			<del></del>	Use-as-is Suspected Unapproved		inerr	noforming Large Fab	Finishing Composite		Rec/Stor	e/Packaging Supplier		Other
Root					Desc	ription of work order update		nitial	Acti	ion		Sign &			
Cause		Date	Step	Qty		or non-conformance	Ch	ief Eng	Descri	iption		Date	Verification		QC Inspector
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Doc/Data															
Equip/Tooling															•
Handling/Pre														-	
Material					:										
Operator														1	
Offset/Setup														١	
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Supplier															
Training															
Transport															
Unapproved				<u> </u>											
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Landi	ng (	Sear				General		_		_					
		Bending				Bend		Folio/F	Program			Outside Dim	ensions		Pressure/Forced
		Centre N	ot Concer	ntric		BOM/Route		Grain				Over/Under	tolerance	_]:	Set-up
		Cracks				Broken/Damage/Defect		Hardwa	are			Part Incorre	ci		Temperature/Cure
		Crimp/Ki	nk/Ripple	/Wave		Burrs		Inspect	ion Incomplete/Un	nqualified		Part Lost/Mi	ssing	_],	Weld
		Cuffs				Contamination		Instruc	tions Incomplete/U	Inclear		Part Moved			Wrong Stock Pulled
		Crushing				Countersink		Misali	gned/off center			Positioned V	Vrong		
		Heat Trea	at			Cut Too Short		Mislab	eled			Power Loss/	Surge [		Other
		Inspectio	n Strip in	Tube		Drawing		Misrea	d	•					
		Marks/Cl	natter			Drill Holes		Off-set			,				<u> </u>
		Turning S	Sequence			Finish		Out of	Calibration						
		Wave/Tv	vist in Tub	oe .		Fit/Function		Out of	Sequence				<u>-</u>		







Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

## **PURCHASE ORDER**

## Purchase Order ID PO22711

Purchase Order Date 1/21/2014 PO Print Date 1/21/2014

Page Number 1 of 1

Order From:

HAWKESBURY AUTO PARTS 514 MAIN STREET WEST HAWKESBURY, ON K6A 2J2 CA VC-UAP001

Ship To: DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

**CANADA** 

FUXTY/OUDE

**Contact Name** 

**Vendor Phone** 

**Ship To Contact** 

**Ship To Phone** 

Ship Via: Ship Acct: 613 632 8575

Yours ppd

Buyer

Chantal Lavoie

**Customer POID** 

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date		Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	12183	Grote Mirror	1/24/2014 Yes 1/24/2014	/	12.00 Each	\$21.49	\$257.88
	AS PER DWG D3439 REV. B B111611			*			

Line Total:

\$257.88

PO Total:

\$257.88

Note: Pricing listed above is as per contract agreement between Dart Aerospace and the respective manufacturer.

No substitution or deviation without consent.

Certificate of Conformity or Material Certification required

PST# 6122-5207

Change Date:

1/21/2014

Change Nbr:

1



HAWKESBURY AUTO PARTS INC 5580GSTHEROUS GOOD FAME 7896RT0001
514 MAIN STREET WEST
HAWKESBURY, ONT. KGA 2J2

5580GSTHEROUS GOOD FAME 797896RT0001

EXPIRY DATE:
PERMIS RELATIF AUX MARCHANDISES DANGEREUSES.
DATE D'EXPIRATION:

TEL:632-8575 FAX: 632-1539

EMERGENCY TELEPHONE NUMBER 24 HOURS CANUTEC 613-996-6666 NUMÉRO DE TÉLÉPHONE D'URGENCE 24 HEURES CANUTEC 613-996-6666

ACCT # N° COMPTE		SOLD TO / VENDU À	DATE	TIME HEURE	STORE # N° MAGASIN	EMP# I N°EMPL	INVOICE N° FACTI	NO. JRE
01601	DART AERO	ISPACE LTD	1/22/14	09:13	0600040	74 2:	4260	85
SR#		RDEEN STREET	PURCHASE ORDER N° BON DE COMMAI	# NDE			ATTENTION	
5H #	HAWKESBUR	RY, ON	P022711					
40	K6A 1K7	7	TAX EXEMPTION : EXEMPTION DE TAX TERMS : CONDITIONS NET	E: 616	2-5207	I LA MARTIN		
AD				30 DAY	<u> </u>	HARGE	SHLE	
18		₩.	DELIVERY: LIVRAISON:				**	
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